CONSTRUCTION PLANS FOR

NORTH KIMBREL AVENUE DRAINAGE IMPROVEMENTS

PREPARED FOR:

CITY OF CALLAWAY

BAY COUNTY, FLORIDA



CITY OFFICIALS:

Mayor: Thomas W. Abbott

Ward 1 Commissioner: Melba Covey

Ward 2 Commissioner: Pamn Henderson

Ward 3 Commissioner: Bob Pelletier

Ward 4 Commissioner: Ralph Hollister

PREPARED BY:



PROJECT NUMBER - 220.018 AUGUST 2014

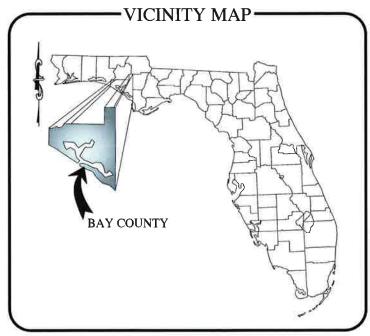
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GOVERNING STANDARDS AND SPECIFICATIONS: FLORIDA DEPARTMENT OF TRANSPORTATION, DESIGN STANDARDS DATED 2014, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2010, AND THE MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION, AND MAINTENANCE FOR STREETS AND HIGHWAYS DATED 2011 (FLORIDA GREENBOOK), AS AMENDED BY CONTRACT DOCUMENTS.

SHOP DRAWINGS TO BE SUBMITTED TO: J. SKLARSKI, P.E. PREBLE-RISH, INC. 203 ABERDEEN PARKWAY PANAMA CITY, FL 32405

MAINTENANCE OF TRAFFIC PLAN

-DRAWING INDEX-



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TITLE TOPOGRAPHIC SURVEY GENERAL NOTES / TYPICAL SECTIONS EROSION CONTROL & DEMOLITION PLAN C2 ROADWAY PLAN & PROFILE C3 CROSS SECTIONS C4 MISCELLANEOUS DETAILS D1-D4

ENGINEER OF RECORD: JONATHAN SKLARSKI, P.E.

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GENERAL NOTES:

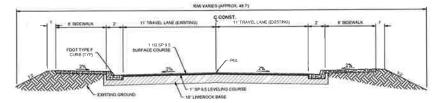
- EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED
- ALL PROPOSED GROUND ELEVATIONS ARE FINISHED SOD ELEVATIONS. FINISH EARTHWORK GRADING SHALL BE 0.2 FEET BELOW ELEVATIONS SHOWN TO ALLOW FOR SOD THICKNESS.
- SODDING INCLUDES MAINTAINING SLOPES AND SOD UNTIL COMPLETION AND ACCEPTANCE OF TOTAL PROJECT OR GROWTH IS ESTABLISHED, WHICHEVER COMES LAST, UNTIL THEN, ALL EROSION, SILTATION AND MAINTENANCE OF GRADES IS THE RESPONSIBILITY OF THE CONTRACTOR;
- 4. WHERE EXCAVATIONS ARE IN CLOSE PROXIMITY OF TREES, THE CONTRACTOR SHALL USE EXTREME CARE IN NOT DAMAGNING THE ROOT SYSTEM. NO EQUIPMENT, SUPPLIES, OR VEHICLES SHALL BE STORED OR PARKED WITHIN THE DRIP LINE OF TREES TO REMAIN AND BE PRESERVED, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ALL EMPLOYEES AND SUBCONTRACTORS OF THIS REQUIREMENT AND TO ENFORCE SAME.
- 5. THE CONTRACTOR SHALL NOTIFY UTILITY OWNERS THROUGH SUNSHINE STATE ONE CALL OF FLORIDA (800-432-4770) AND UTILITY OWNERS LISTED BELOW AT LEAST TWO (2) FULL BUSINESS DAYS IN ADVANCE OF BEGINNING CONSTRUCTION ON THE JOB SITE. THE CONTRACTOR SHALL WAIT THE REQUIRED TIME FOR BURIED UTILITIES TO BE LOCATED AND MARKED. THE CONTRACTOR SHALL WANT THE REQUIRED TIME FOR SOUTH OF THE DESCRIPTION OF THE CONTRACTOR SHALL PROTECT THE MARKS DURING CONSTRUCTION. IF THE MARKS ARE DESTROYED, THE CONTRACTOR SHALL CALL SUNSHINE STATE ONE CALL FLORIDA AGAIN, THE CONTRACTOR SHALL DIG SAFELY, USING EXTREME CAUTION, WHEN DIGGING WITHIN 24 INCHES ON EITHER SIDE OF THE MARKS TO AVOID HITTING THE BURIED

OWNER	CONTACT	PHONE	EMAIL
BAY COUNTY	WAYNE COMEAU	850-784-4071	wcomeau@baycountyfl.gov
BAY COUNTY	CURT MILLER	850-248-5010	cmiller@baycountyfl.gov
CITY OF CALLAWAY	OSCAR MARTINEZ	850-871-1033	omartinez@cityofcallaway.com
WOW	RANDALL HAIRSTON	850-527-1225	randallhairston@wideopenwest.com
COMCAST CABLE	ED LANG	850-258-9526	ed_lang@comcast.net
SOUTHERN LIGHT	JASON WEILER	251-269-5129	jweiler@slfiber.com
GULF POWER	KENNY DOUGLAS	850-505-5567	kidougla@southernco.com
AT&T DISTRIBUTION	HAL HINOTE	850-913-3709	hh3178@att.com
TECO GAS	MICHAEL MCGUIRE	850-914-6129	mkmcguire@tecoenergy.com
SOUTHERN DIVERSIFIED TECHNOLOGIES	STEVE HAMER	601-832-9440	shamer@sdt-1.com

- 6. THE PROPOSED CONSTRUCTION SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (ADA), THE ADA
- COMPLIANCE HANDBOOK, LATEST EDITION, AND THE FLORIDA ACCESSIBILITY CODE.

 7. ALL DISTURBED AREAS WITHIN THE LIMITS OF CONSTRUCTION THAT ARE NOT PAVED WITH SIDEWALK SHALL BE RESTORED WITH SOD TO A CONDITION EQUAL TO OR SUPERIOR TO THAT EXISTING PRIOR TO COMMENCEMENT OF WORK.
- 8. ALL INLETS SHALL BE PROTECTED AS PER FDEP BEST MANAGEMENT PRACTICES, AND THE FDEP/FDOT EROSION AND
- SEDIMENT CONTROL HANDBOOK. 9. THE CONTRACTOR SHALL PROTECT ALL GRASSED AREAS FROM DISCARDED CONCRETE AND EXCESS MATERIALS, ALL DISCARDED CONCRETE AND EXCESS MATERIALS SHALL BE REMOVED FROM THE RIGHT-OF-WAY (OR JOB SITE) ON A
- DAILY BASIS.
- 10. THE CONTRACTOR IS TO MAINTAIN AND KEEP STREET NAME IDENTIFICATION (STREET SIGNS) VISIBLE DURING CONSTRUCTION OPERATIONS, IN ORDER TO FACILITATE EMERGENCY VEHICLE TRAFFIC.
- 11. ANY KNOWN OR SUSPECTED HAZARDOUS MATERIAL FOUND ON THE PROJECT BY THE CONTRACTOR SHALL IMMEDIATELY BE REPORTED TO THE CONSTRUCTION PROJECT ADMINISTRATOR WHO SHALL DIRECT THE CONTRACTOR TO PROTECT THE AREA OF KNOWN OR SUSPECTED CONTAMINATION FROM FUNTHER ACCESS. THE ENGINEET IS O NOTIFY THE FOOT DISTRICT 3 CONTAMINATION IMPACTS COORDINATOR (DCIC) OF DISCOVERY. THE DCIC ADMINISTRATOR WILL ARRANGE AN INVESTIGATION, IDENTIFICATION AND REMEDIATION OF THE HAZARDOUS MATERIAL. THE CONTRACTOR SHALL NOT RETURN TO THE AREA OF CONTAMINATION UNTIL APPROVAL IS PROVIDED BY THE CONSTRUCTION PROJECT ADMINISTRATOR, THE DCIC WILL ADVISE THE CONSTRUCTION PROJECT ADMINISTRATOR.
- 12. THE EROSION CONTROL PLAN SHALL BE IN ACCORDANCE WITH FDOT DESIGN STANDARDS AND THE FDOT/FDEP EROSION & SEDIMENT CONTROL HANDBOOK.
- 13. ALL PROPOSED CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT STANDARDS AND ADA
- 14. ALL ADA DETECTABLE WARNING MATS (DWM) SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP AND EXTEND 2 FT. FROM THE TOE OF THE CURB RAMP, ALL DETECTABLE WARNINGS SHALL BE IN ACCORDANCE WITHOUT INDEX 304 AND SPECIFICATION 527, COLOR SAFETY YELLOW. ALL ADA DETECTABLE WARNING SYSTEMS MUST BE ON THE FDOT APPROVED PRODUCTS LIST.
- 15. ALL FILL MATERIAL SHALL BE SELECT FILL
- CONTRACTOR SHALL NOTIFY ALL ADJACENT PROPERTY OWNERS, IF THEIR LANDSCAPING IS TO BE REMOVED, TO COORDINATE THE REMOVAL AND POSSIBLE RELOCATION.
- 17. DEWATERING: SHOULD LOWERING OF GROUNDWATER BE NECESSARY FOR THE INSTALLATION OF CONCRETE STRUCTURES, OR TO PREVENT LATERAL MOVEMENT OF CONCRETE ALREADY PLACED, SUCH LOWERING SHALL BE ACCOMPLISHED BY MEANS OF A WELL POINT SYSTEM OR OTHER APPROVED MEANS, AT CONTRACTOR'S EXPENSE. COMPREHENSIVE PLANS FOR DEWATERING OPERATIONS, IF USED, SHALL BE SUBMITTED BY THE CONTRACTOR PRIOR TO
- INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITTING ASSOCIATED WITH DEWATERING.

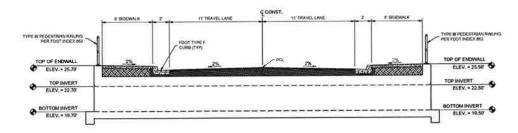
 18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ANY NECESSARY NPDES PERMIT.
- 19. END OF CURBS SHALL TRANSITION FROM FULL TO ZERO HEIGHT OVER 6 FEET UNLESS OTHERWISE SPECIFIED AS A CURB
- 20. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY METERS, VALVES, SERVICE LATERALS, FIRE HYDRANTS, MAINS, WATER, WASTEWATER, OR GAS FACILITIES DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE CITY, SWEEPING SHALL OCCUR DAILY OR IMMEDIATELY AFTER SUCH EVENTS THAT CAUSE TRACKING ONTO STREET,
- 22. ALL SIGNAGE IMPACTED BY CONSTRUCTION ACTIVITIES SHALL BE RELOCATED BY CONTRACTOR ACCORDING TO FDOT
- 23, REMOVAL OF EXISTING AND/OR TEMPORARY PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY THE FOLLOWING METHODS MILLING AND/OR ASPHALT OVERLAY, SAND OR WATER BLASTING, OR OTHER MEANS APPROVED BY THE PROJECT ADMINISTRATOR, GRINDING SHALL ONLY BE PERMITTED IN NON-TRAFFIC AREAS, USE OF BLACK PAINT TO COVER EXISTING AND/OR TEMPORARY PAVEMENT MARKINGS IS PROHIBITED.
- 24. ALL PROPOSED STRIPING AND MESSAGES SHALL BE THERMOPLASTIC. THERMOPLASTIC IS TO BE USED FOR FINAL STRIPING ONLY, INTERMEDIATE STRIPING SHALL BE PAINTED.
- 25. ALL PROPOSED INLETS SHALL HAVE 6" SUMP BOTTOMS (12" DIA.) PER FDOT INDEX 201.
- 26. ALL MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE REPLACED IN ACCORDANCE WITH FDOT INDEX 532.



TYPICAL SECTION - NORTH KIMBREL AVENUE FULL DEPTH REPLACEMENT

SCALE: N.T.S. STATION 1+83,08 TO 2+57,59

TYPICAL SECTION - NORTH KIMBREL AVENUE OVERBUILD SCALE: N.T.S. STATION 1+16.79 TO 1+83.08 STATION 2+57.59 TO 3+41.19



TYPICAL SECTION - BOX CULVERT STATION 2+19

GENERAL NOTES-TYPICAL SECTIONS NORTH KIMBREL AVENUE DRAINAGE CITY OF CALLAWAY BAY COUNTY FLORIDA

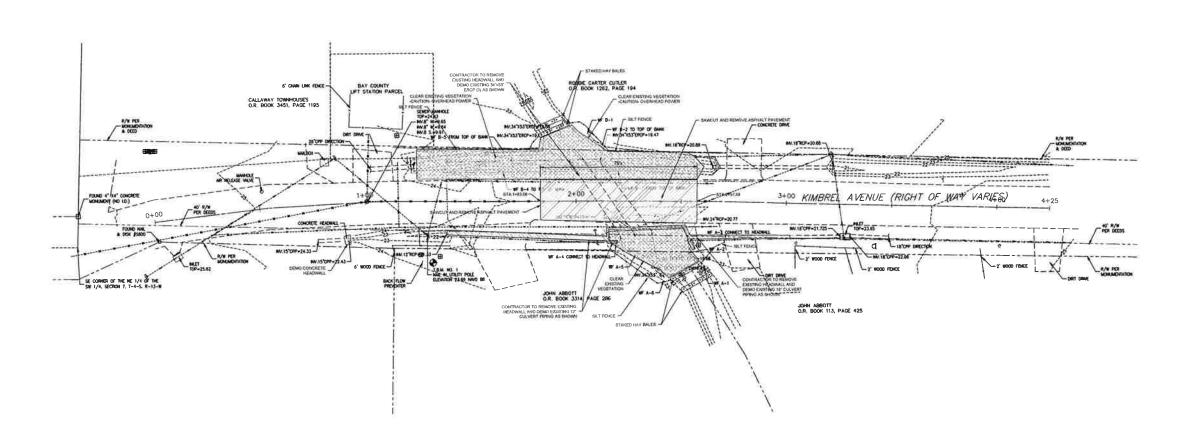
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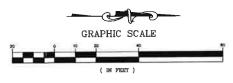
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WARNING: GAS MAIN IN AREA OF CONSTRUCTION





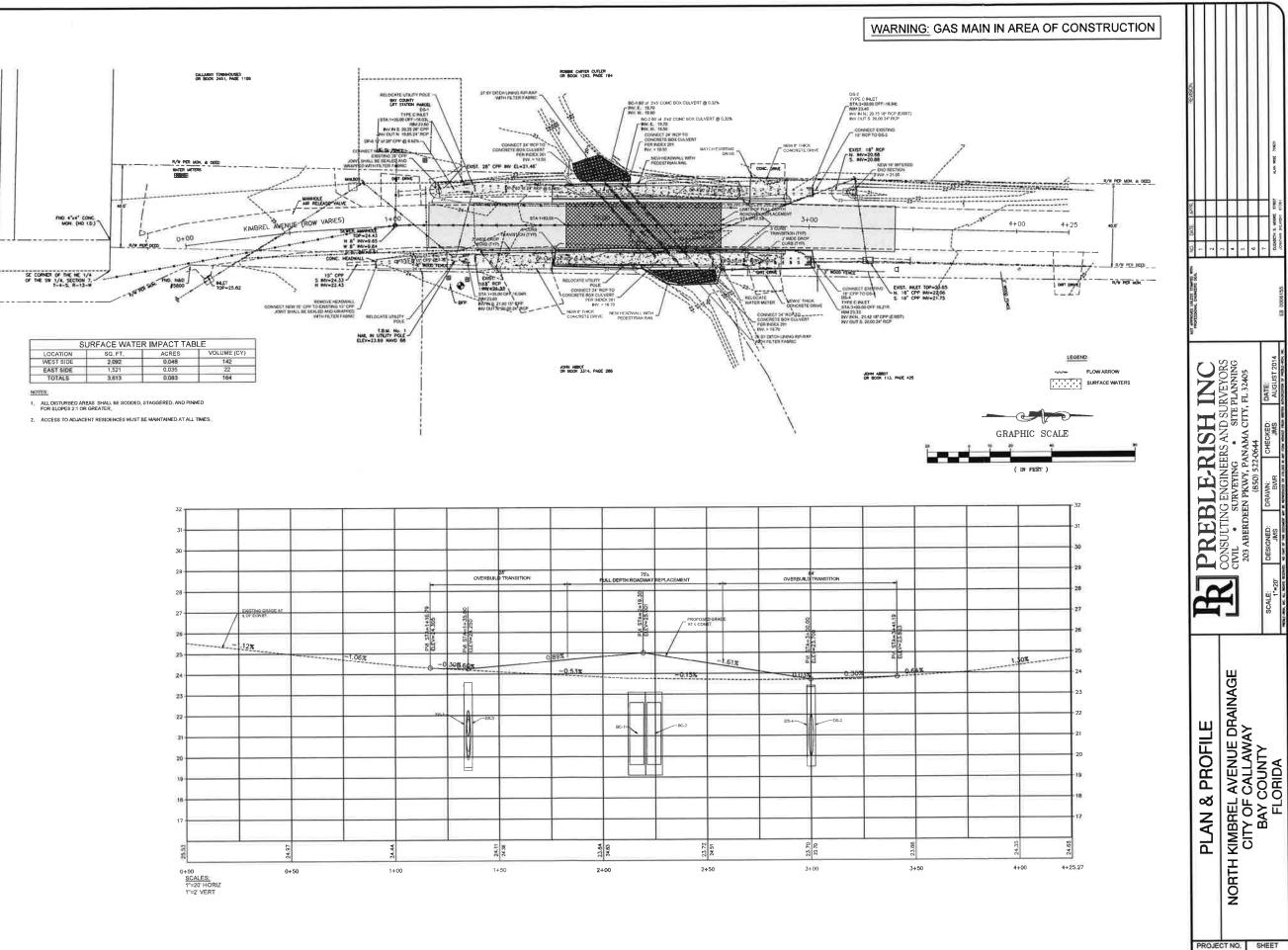
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	CITY OF CALLAWAY
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ET 2	FLORIDA

PREBLE-RISH INC
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(850) 522-0644

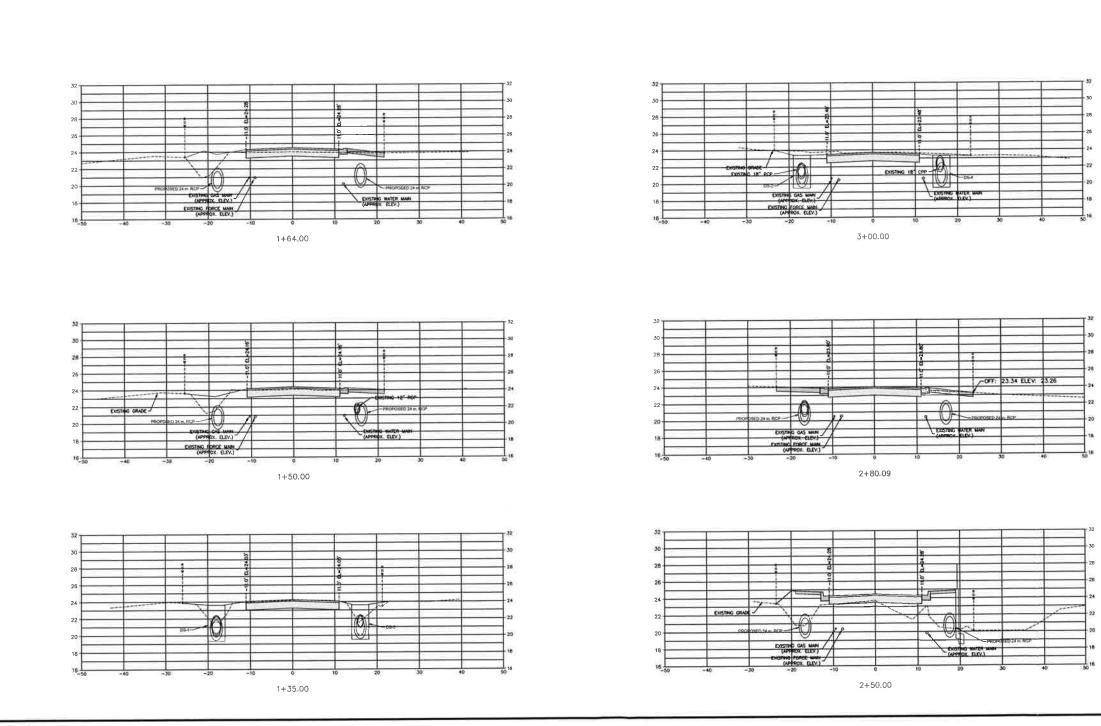
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CONSULTING ENGINEERS AND SURVEYORS
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(850) 522-0644
SCALE:

SCALE:

| PESIGNED: | DRAWN: | CHECKED: | DATE
| OFFICIAL BATE
| OFFICIAL CROSS SECTIONS

NORTH KIMBREL AVENUE DRAINAGE
CITY OF CALLAWAY
BAY COUNTY
FLORIDA

SCALES: 1"=10" HORIZ 1"=5" VERT

PROJECT NO. 220.018

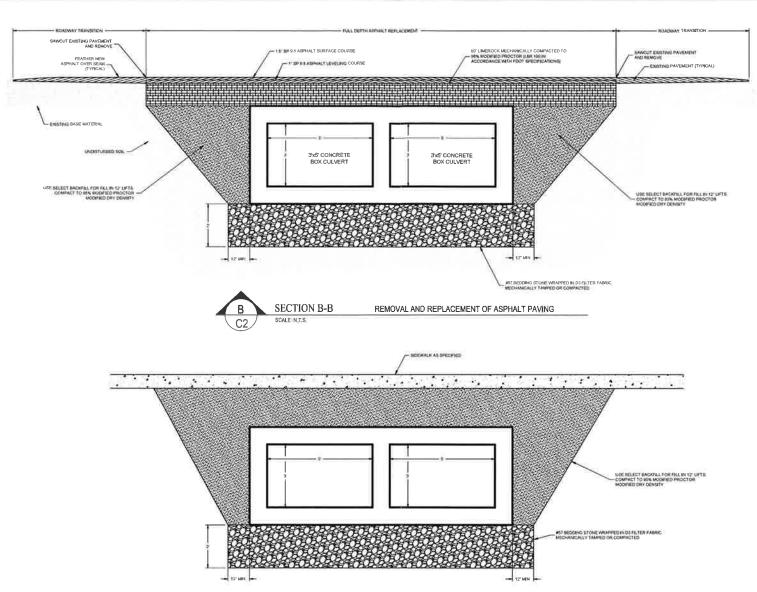
SHEET C4

EROSION AND SEDIMENT CONTROL NOTES:

- CONTRACTOR SHALL STAGE AND TIME CONSTRUCTION TO MINIMIZE THE SIZE OF EXPOSED SOIL AREAS AND THE TIME BETWEEN EXPOSING THE SOIL AREA AND FINISHING THE SOIL AREA.
- AS SOON AS GRADING IS COMPLETE IN AN AREA, THE CONTRACTOR WILL STABILIZE THE SOIL. FOR LONG, NARROW AREAS, THE CONTRACTOR SHALL STABILIZE CONTINUOUSLY DURING GRADING OPERATIONS. ROUGH GRADED AREAS SHOULD BE STABILIZED WITH TEMPORARY EROSION CONTROL IF FINAL GRADING AND STABILIZEATION WILL NOT BE PERFORMED WITHIN FIVE (5) DAYS, FALURE TO STABILIZE EXPOSED SOIL AREAS IN A TIMELY MANEER ATTER GRADING MAY BE CONSIDERED A VICALATION OF CHAPTERS 62-3, 62-12. AND/OR 62-36, FLORIDA ADMINISTRATIVE CODE. BY THE FLORIDA DEPARTMENT OF ENHORMMENTAL PROTECTION, FEDER AND SUBJECT TO CORRECTIVE ACTION, PURSUANT TO SECTION 403. 121-463.161 FLORIDA STATUTES.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR PERFORMING A TASK TO PROVIDE EROSION CONTROL UNLESS ANOTHER PARTY HAS BEEN PREVIOUSLY SPECIFIED AS RESPONSIBLE FOR THE EROSION CONTROL ASSOCIATED WITH THAT TASK. IN THE EVENT ANOTHER PARTY IS RESPONSIBLE FOR ENGINE CONTRACTOR SHALL STILL BE RESPONSIBLE FOR COORDINATION WITH THE PARTY RESPONSIBLE IN THE EVENT THAT DAMAGE TO THE CONSTRUCTED ITEMS ARE DUE TO LACK OF EROSION CONTROL. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ITEM AT NO CHARGE TO THE CHARGE TEMPORARY EROSION CONTROL SHALL CONSIST OF TEMPORARY GRASS, TEMPORARY MULCH, TEMPORARY SOD, ARTIFICIAL COVERINGS, SYNTHETIC DALES, SILT FENCES, AND TURBIDITY BARRIERS.
- TEMPORARY EROSION CONTROL SHALL BE IN ACCORDANCE WITH SECTION 104 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS, PERMANENT ERCSION CONTROL SHALL CONSIST OF SEED, SEED AND MULCH, HYDRO-SEEDING, SOD, AND/OR ARTIFICIAL COVERINGS.
- PERMANENT EROSION CONTROL SHALL BE IN ACCORDANCE WITH SECTION 570 OF THE FDOT STANDARD SPECIFICATIONS. SEED OR GRASS TYPE SHALL MATCH EXISTING OR BE AS SPECIFIED BY OWNER UNLESS NOTED OTHERWISE.
- GRASS BY BEEDING SHALL BE IN ACCORDANCE WITH SECTIONS 104, 570, 981, 082, AND 983 OF FOOT STANDARD SPECIFICATIONS. THIS SHALL BE USED ONLY IN AREAS SUBJECT TO LIGHT EROSION SUCH AS FLAT AREAS.
- GRASS BY HYDRO-SEEDING SHALL BE IN ACCORDANCE WITH SECTIONS 104, 570, 981, 982, AND 983 OF FOOT STANDARD SPECIFICATIONS. HYDRO-SEEDING MAY BE USED FOR FLAT AREAS AND SIDE SICIPES WHICH DO NOT EXCEED 21. DRAINAGE DITCHES OR LARGE SWALES MUST HAVE ADDITIONAL PROTECTION BESIDES HYDRO-SEEDING.
- GRASS AND MULCH SHALL BE IN ACCORDANCE WITH SECTIONS 101, 570, 681, 682, AND 583 OF FDOT STANDARD SPECIFICATIONS. GRASS AND MULCH MAY BE USED IN ALL AREAS EXCEPT LARGE SWALES OR DICHES. MULCH SHALL BE ANCHRED IN ACCORDANCE WITH SECTION 570
- SOLID SOD SHALL BE IN ACCORDANCE WITH SECTIONS 104, 881, 982, AND 983 OF FOOT STANDARD SPECIFICATIONS. SOD MAY BE USED IN ALL AREAS FOR SIDE SLOPES GREATER THAN GREQUAL TO 21. SOD SHALL BE STAGGERED SO AS TO AVOID A CONTINUOUS SEAM. IN AREAS WITH ELOPES 41 OR STEEPER, EACH PIECE OF SOD SHALL BE PEOGED WITH SOD PEOS. IN DIFFICULT SOIL CONDITIONS WITH STEEP SLOPES, IT MAY INCESSARY TO COVER SOD. WITH ARTIFICIAL COVERNINGS SUCH AS JUTE BEEN UNTIL SOD BECOMES ESTALISHED.
- TEMPORARY EROSION CONTROL BY ARTIFICIAL COVERINGS SHALL CONSIST OF STRAW BLANKETS, COCOMUT FIBER BLANKETS, POLYESTER BLANKETS, JUTE MESH, AND DRAINAGE FABRICS MATERIALS PARTILLED IN ACCORDANCE WITH IMAUTACTURERS RECOMMENDATIONS SEEDING SHALL BE INCLUDED IF MATERIAL REQUIRES VEGETATION TO FUNCTION PROPERLY.
- THE CONTRACTOR IS TO PROVIDE EROSION CONTROLISECIMENTATION BARRIER (SYNTHETIC BALES, SILT FENCE. TURBIDITY BARRIER, OR AS SPECIFIED IN THE CONSTRUCTION DRAWNOS) TO PREVENT SIL LATION OF ALLOGENT PROPERTY, STREETS, STORM SEWERS, WATERWAYS, AND WETLAND OR JURISDICTIONAL AFEAS IF, IN THE OFFINION OF THE ENGINEER ANDOR REGULATORY AUTHORITIES, EXCESSIVE OUNTITIES OF MATERIAL ARE TRANSPORTED DEF-SITE BY EROSION OR STORMAWTER BUNGET, THE CONTRACTOR SHALL IMPROVE CONDITIONS TO THE SATISFACTION OF THE ENGINEER ANDOR SHALL CONSTRUCTION CONDITIONS TO THE COMPANIES SHALL CONSTRUCTION.
- CONTRACTOR SHALL PLACE STRAW, MULCH, OR OTHER SUITABLE MATERIAL ON GROUND IN AREAS WHERE CONSTRUCTION-RELATED TRAFFIC IS TO ENTER AND EXIT SITE
- IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION, THE CONTRACTOR SHALL
- THE CONTRACTOR SHALL PROVIDE BYPASS PLMPING FOR STORM EVENTS DURING CONSTRUCTION AND ALL OTHER MEASURES NEEDED TO MAINTAIN FLOW AND PREVENT FLOODING.
- AS CONDITIONS WARRANT AND AS NEEDED FOR ADEQUATE EROSION CONTROL. CONTRACTOR SHALL USE ADDITIONAL MEASURES ABOVE THOSE SPECIFIED HEREIN.

STORMWATER SYSTEM MAINTENANCE NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION MONITORING AND NOTICE OF COMMENCEMENT.
- CONTRACTOR SHALL PREPARE A DEWATERING AND STOCKPILE PLAN AS PART OF THE NPDES PERMIT PROCESS.
- CITY OF CALLAWAY TO MAINTAIN STORMWATER SYSTEM UPON COMPLETION AND ACCEPTANCE OF THE PROPOSED WORK
- THE CONTRACTOR SHALL MAINTAIN FLOW CAPACITY ACROSS THE CONSTRUCTION AREA AT ALL TIMES DURING CONSTRUCTION FLOODING OF ADJACENT AREAS WILL NOT BE PERMITTED.
- CONTRACTOR SHALL PROTECT THE WORK AREA AT ALL TIMES DURING CONSTRUCTION AND ANY DAMAGE CAUSED BY STORMS OR FLOWS ARE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR



3'x5' CBC BEDDING OUTSIDE OF PAVEMENT

DETAIL

DEWATERING NOTES

- THE FACILITY IS AUTHORIZED TO DISCHARGE PRODUCED GROUND WATER FROM ANY THE FACILITY IS AUTHORIZED TO DISCHARGE PRODUCED GROUND WATER FROM ANY NON-CONTAINANTED STRE ACTIVITY WHICH DISCHARGES BY A POINT SOURCE TO SURFACE WATERS OF THE STATE, AS DEFINED IN CHAPTER CR-20. F. A.C., CNLY IF THE REPORTED VALUES FOR THE PARAMETERS LISTED IN TABLE I DO NOT EXCEED ANY OF THE USTED SCREENING VALUES. BEFORE ISSURANCE OF PRODUCED GROUND WATER CAN COCCUR FROM SUCH SITES, ANALYTICAL TESTS ON SAMPLES OF THE PROPOSED UNITERATED DISCHARGE WATER SHALL BE PERFORMED TO BETEMMER IF CONTAMINATION EXISTS.
- MINIMUM REPORTING REQUIREMENTS FOR ALL PRODUCED GROUND WATER DISCHARGES. THE EFFLUENT SHALL BE SAMPLED BEFORE THE COMMENCEMENT OF DISCHARGE. ADAIN WITHIN HIRRY COJ, DAYS AFTER COMMENCEMENT OF DISCHARGE. AND THEN CNCE EVERY SIX (8) MONTHS FOR THE LIFE OF THE PROJECT SAMPLES SHALL BE TAKEN PRODE TO ACTUAL DISCHARGE OF MINIMO WITH THE RECEIVING WATERS THE EFFLUENT SHALL BE SAMPLED FOR THE PARAMETERS LISTED IN TABLE

	Screening Values for Discharges into		
Parameter	Fresh Waters	Coastal Waters	
Total Organic Carbon (TOC)	10.0 mg/s	10.0 mall	
pH, standard units	6.0 - 8.5	0.5 - 8.5	
Total Recoverable Mercury	0.012 pg/L	0.025 pg/L	
Total Recoverable Codmium	9.3 pgt	9.3 ppt	
Total Recoverable Copper	2 Fugt	29 pgt.	
Total Recoverable Lead	0.03 mgt.	5.6 pg/L	
Total Recoverable Zinc	86.0 µg/L	86.0 µ/L	
Total Recoverable Chromium (Hex.)	11.0 pg/t	50.0 µg/L	
Benzetse	1.0 µg1.	1.0 µg/L	
Naphthalene:	100.0 pg/L	100.0 µg/L	

- 3 FOR FRESH WATERS AND COASTAL WATERS, THE PH OF THE EFFLUENT SHALL NOT BE LOWERED TO LESS THAN 60 UNITS FOR FRESH WATERS, OF LESS THAN 65 UNITS FOR COASTAL WATERS, OR RAISED ABOVE 85 UNITS, UNLESS NATURAL BACKGROUND CONFIRMING A NATURAL BACKGROUND OF THE RECEIVING WATER IS DETERMINED TO BE LESS THAN 60 UNITS FOR FRESH WATERS, OR LESS THAN 61 UNITS FOR FRESH WATERS, OR LESS THAN 60 UNITS FOR FRESH WATERS, OR LESS THAN 60 UNITS FOR FRESH WATERS, OR LESS THAN 61 UNITS FOR FRESH WATERS, OR LESS THAN 61 UNITS FOR FRESH WATERS, OR LESS THAN 60 UNITS FOR FRESH WATERS, OR LOOK OR UNITS WATERS, THE PH SHALL NOT VARY BELOW NATURAL BACKGROUND OR VARY MORE THAN ONE (1) UNIT BEACKGROUND OF FRESH AND COASTAL WATERS, IF WATURAL BACKGROUND OF THE SHALL NOT WATERS WITH THE RESULTS OF THE ANAL BACKGROUND OR VARY MORE THAN ONE (1) UNIT BELOW NATURAL BACKGROUND OR WATER WATERS THE CONTRACTOR SHALL IN ICLUDE THE NATURAL BACKGROUND OR HOP LAY WATERS ARE WITH THE RESULTS OF THE ANAL YES LISTED IN NOTE 2. FOR PURPOSES OF THIS SECTION ONLY, FRESH VATERS ARE THOSE HAVING A CHILORIDE CONCENTRATION ONLY, FRESH VATERS ARE THOSE HAVING A CHILORIDE CONCENTRATION EQUAL TO OR GREATER THAN 1500 MOIL.
- IN ACCORDANCE WITH RULE 62-302-500 (1) (A-C), F.A.C., THE DISCHARGE SHALL AT ALL TIMES BE FREE FROM FLOATING SOLIDS, VISIBLE FOAM, TURBIDITY, OR VISIBLE OIL IN SUCH AMOUNTS AS TO FORM NUISANCES ON SURFACE WATERS
- 5. ALL OF THE GENERAL CONDITIONS LISTED IN RULE 62-621,250, F.A.C., ARE APPLICABLE.
- 6 THE CONTRACTOR SHALL ADHERE TO ALL FEDERAL, STATE AND LOCAL REGULATORY REQUIREMENTS REGARDING DISCHARGE OF TURBID OR POLLUTED WATER
- 7 THE CONTRACTOR SHALL MONITOR DISCHARGE AS REQUIRED.
- 8 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING DEWATERING AND/OR WATER USE PERMITS AS NEEDED.
- CONTRACTOR IS RESPONSIBLE FOR MONITORING ADJACENT AREAS DURING DEWATERING TO ENSURE THAT GROUNDWATER DRAWDOWN DOES NOT RESULT IN DAMAGE TO ROADWAY, STRUCTURES, OR PROVATE PROPERTY MEASURES MAY INCLIDE PERMETER PIEZOMETERS AND PRE-CONSTRUCTION DOCUMENTATION OF

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H KIMBREL AVENUE DRAINAGE CITY OF CALLAWAY BAY COUNTY FLORIDA DETAILS

NORTH

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NEW CONCRETE DRIVEWAY 2 500 PSI CONCRETE FIBERIMESH REINFORCEI DETAIL CONCRETE DRIVEWAY SCALE N.T.S.

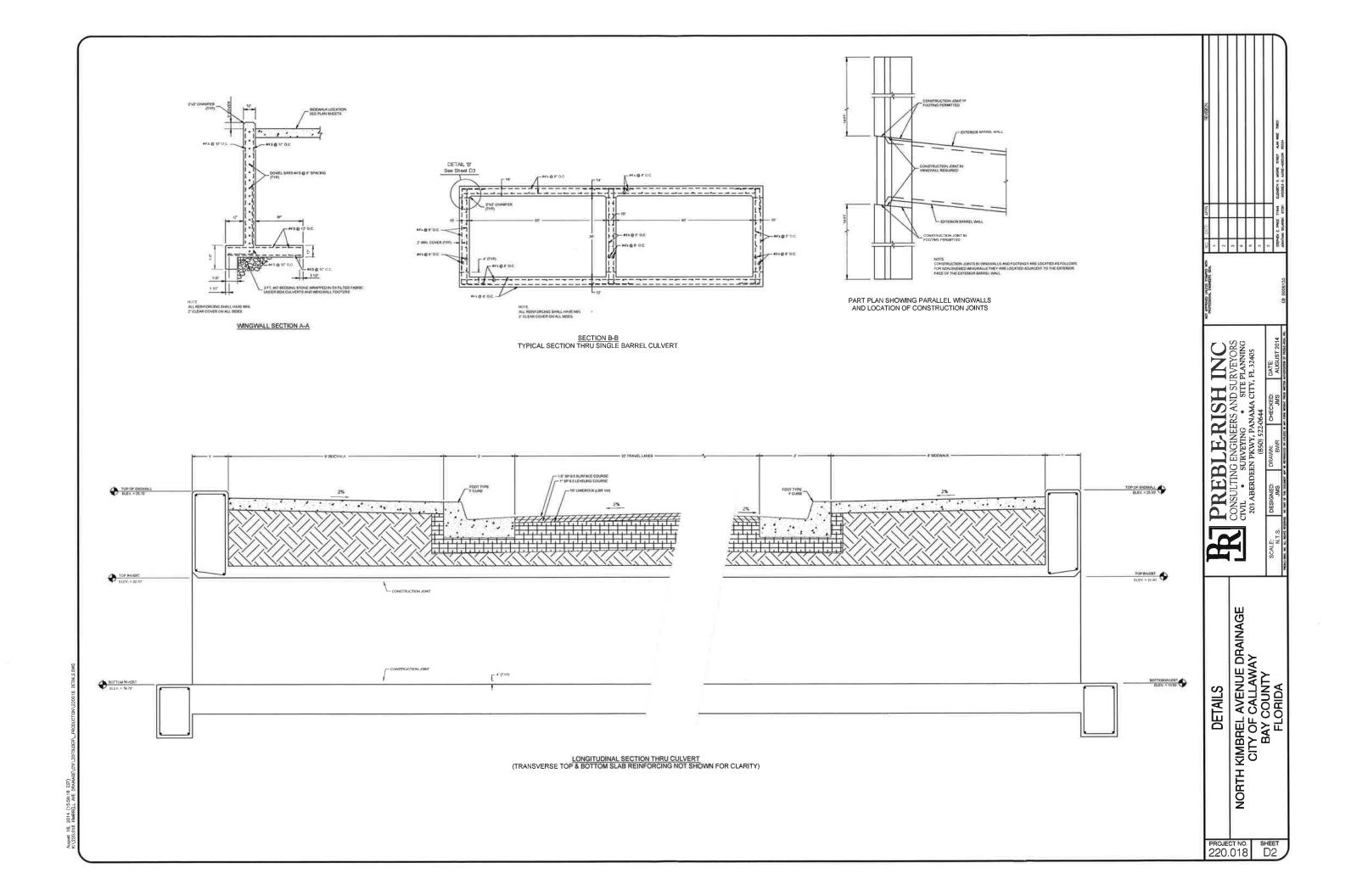
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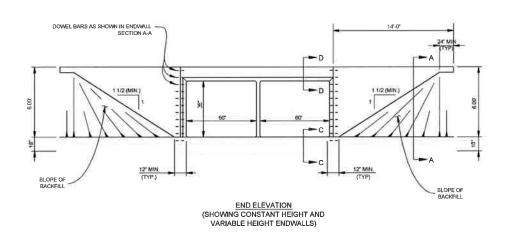
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 SEE PLANS FOR LIMITS

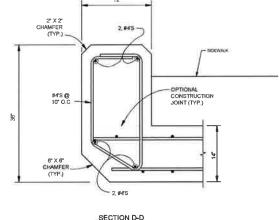
DETAIL OVERBUILD TRANSITION SCALE N.T.S.

112 SP 9.1 SURFACE COURSE

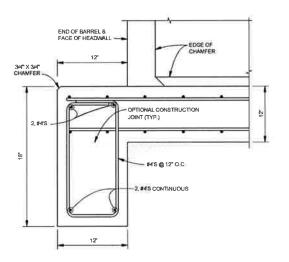
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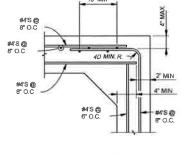




<u>SECTION D-D</u> LEFT ENDWALL SECTION (RIGHT HEADWALL SIMILAR)



SECTION C-C LEFT CUTOFF WALL SECTION (Right Cutoff Wall similar)



DETAIL 'B'

PROJECT NO. 220.018

DETAILS

SHEET D3

NORTH KIMBREL AVENUE DRAINAGE CITY OF CALLAWAY BAY COUNTY FLORIDA

PREBLE-RISH INC
CONSULTING ENGINEERS AND SURVEYORS
CIVIL SURVEYING SITE PLANNING
203 ABENDEEN PKWY, PANAMA CITY, FL 32405
(850) 522-0644

STORMWATER POLLUTION PREVENTION PLAN:

SITE DESCRIPTION
A. CONSTRUCTION ACTIVITY: KIMBREL AVENUE DRAINAGE IMPROVEMENTS PROJECT
LIMITS: SEE SHEET C2
PROJECT DESCRIPTION: CONSTRUCTION OF TWO (2) 5X3* CONCRETE BOX CULVERT AND TO REPLACE THREE
(3) 3-AS3* FERC CULVERTS. THE PROJECT INCLUDES ASPHALT OVERLAY AND ALL ASSOCIATED STABILIZATION
MAJOR SOIL DISTURBING ACTIVITIES: GRADING UPSTREAM AND DOWNSTREAM OF CONCRETE BOX CULVERTS.

- B. TOTAL PROJECT AREA: 1,972 SQUARE FEET OR 0,045 ACRES (TO BE FINALIZED UPON CITY DIRECTION) C. TOTAL SOIL AREA TO BE DISTURBED: SAME AS ABOVE
- D. FOR LOCATIONS OF DRAINAGE OUTFALLS: SEE SHEET C2.
- E. (1) NAME OF RECEIVING WATERS UNMAMED CONVEYANCE DITCH/SURFACE WATERS

2. CONTROLS:

NARRATIVE - SEQUENCE OF SOIL DISTURBING ACTIVITIES AND IMPLEMENTATION OF CONTROLS
THE SOIL DISTURBING ACTIVITIES FOR THIS PROJECT ARE AS FOLLOWS: ONLY UPON PROPER PLACEMENT OF ALL EROSION
CONTROLS CAN SOIL DISTURBING ACTIVITIES TAVE PLACE. SYNTHETIC BALES AND SLIT FENCE WILL BE USED LATERALLY AT SPÉCIFIED
BATERNALS, SYNTHETIC BALES SHALL BE USED TO PREVENT ESDEMENTATION FROM ESCAPING PROJECT LIMITS.

A EROSION AND SEDIMENT CONTROLS

(1) STABILIZATION PRACTICES:
TEMPORARY SODDING
TEMPORARY GRASSING
X PERMANENT PLANTING, SODDING OR SEEDING
X TEMPORARY MULCHING
ARTHRICIAL COVERING
BUFFER TOMES

BUFFER ZONES
PRESERVATION OF NATURAL RESOURCES

(2) STRUCTURAL PRACTICES
SAND BAGGING
X SILT FENCES
SYNTHETIC BALES

FLUMES
ROCK BEODING AT CONSTRUCTION EXIT
TIMBER BEDDING AT CONSTRUCTION EXIT
DITCH LINER

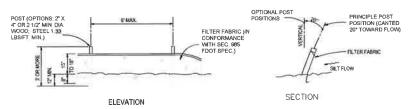
SEDIMENT BASINS
STORM INLET SEDIMENT TRAP (ROCK BAGS)
STONE OUTLET STRUCTURES
CURBS AND GUTTERS
STORM SEWERS
VELOCITY CONTROL DEVICES

- B), DESCRIPTION OF STORMWATER MANAGEMENT: THE REPLACEMENT OF THREE (3) EXISTING 34%53" ERCP CULVERTS WITH TWO (2) 5" X 3" CONCRETE BOX CULVERTS WITH ENDWALLS,
- C. OTHER CONTROLS: (1) WASTE DISPOSAL: NO CONSTRUCTION WASTE MATERIAL WILL BE BURRED ON SITE
- (2) OFF SITE VEHICLE TRACKING HAUL ROADS DAMPENED FOR DUST CONTROL KLOADED HAUL TRUCKS TO BE COVERED WITH TARPAULIN X EXCESS DIRT ON ROAD REMOVED DAILY STABILIZED CONSTRUCTION ENTRANCE

- (3) SANITARY WASTE: N/A (s) SWILLIAMY WASTE: WAS (s) FERTILLERS AND PESTICIDES FERTILLZERS ANDOR PESTICIDES SHALL BE APPLIED ACCORDING TO MANUFACTURERS RECOMMENDATIONS BY A LICENSED OR CERTIFIED APPLIATOR AS DIRECTED BY THE PROJECT ENGINEER. (S) MON-STORMANTED DISCHARGE (INCLUDING SPILL REPORTING), NO MON-STORMANTAET DISCHARGES ARE ANTICIPATED.
- Dii APPROVED STATE, LOCAL PLANS, OR STORMWATER PERMITS: NWFWMD/FDEP GENERAL PERMIT,

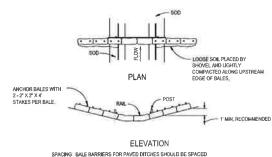
- MAINTENANCE
 ALL OF THE CONTROLS SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR IF A REPAIR IS NECESSARY, IT WILL BE DONE
 AT THE EARLEST DATE POSSIBLE, BUT NO LATER THAN (7) CALENDAR DAYS AFTER THE SURROLINDING EXPOSED AREA HAS DRIED
 SUFFICIENTLY TO PREVENT FURTHER DAMAGE FROM HEAVY EQUIPMENT.
- INSPECTION.

 ALL CONTION: SHALL BE INSPECTED WEEKLY BY THE CONTRACTOR AS WELL AS AFTER 0.5" OR MORE OF RAIN, AN INSPECTION AND MAINTENANCE REPORT WILL BE MADE FREE EACH INSPECTION, BASED ON INSPECTION RESULTS THE CONTROLS SHALL BE REVISED FRET IN INSPECTION RESPORTS.
- A. THE CONTRACTOR SHALL INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTION THAT INDICATE FIEMS ARE NOT IN GOOD WORKING ORDER. TO COMPLY, THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAGES AND DAILY RAINFALL RECORDS. WHERE SITES HAVE BEEN PERMANENTLY STABLIZED, INSPECTIONS SHALL BE COMDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO INSPECT AND CERTIFY THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMANTER POLLUTION PREVENTION PLAN.
- B. IN INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDMENT, AND PREVENT DISCHARGING POLLUTANTS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES, AS NEEDED.
- CI RECORDS OF THE INSPECTION AND THE CONSTRUCTION PERMIT MUST BE MAINTAINED AT THE CONSTRUCTION SITE AND BE READILY AVAILABLE FOR INSPECTION
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING COVERAGE UNDER THE GENERAL PERMIT FOR STORMWATER DISCURRED FOR MAINTED RESPONSIBLE FOR START OF CONSTRUCTION OF ANY DISTURBANCE OF LAND GREATER THAN ONE ACRE. THE DEVELOPMENT ACTOR WILL FORWARD A COPP OF THE PERMIT AND WILL PROVIDE 24 HOUR HOTFICATION TO GULF COUNTY AND THE DISTRICT PRIOR TO COMMENCEMENT OF WORK ALL REQUIRED ELEMENTS OF THE STORMWATER POLLUTION PREVENTION FLAM MUST BE AN PLACE PRIOR TO COMMENCEMENT OF WORK ALL REQUIRED ELEMENTS OF THE STORMWATER POLLUTION PREVENTION FLAM MUST BE AN PLACE PRIOR TO COMMENCEMENT OF CONSTRUCTION, FAILURE TO COMPLY COULD RESULT IN CODE REPORCIBENT ACTION AND PRIES.



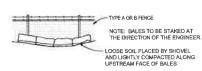
NOTE: SILT FENCE TO BE PAID FOR UNDER THE CONTRACT BASE BID.

TYPE III SILT FENCE

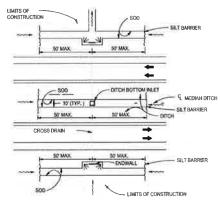


IN ACCORDANCE WITH THE CHART BELOW

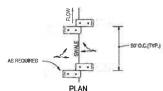
BARRIER FOR PAVED DITCH



BALES BACKED BY FENCE



DITCH INSTALLATIONS AT DRAINAGE STRUCTURES



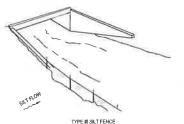


ELEVATION TO BE USED AT SELECTED SITES WHERE THE

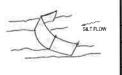


TO BE USED AT SELECTED SITES WHERE THE NATURAL GROUND SLOPES AWAY FROM THE TOE OF SLOPE

BARRIERS FOR FILL SLOPES



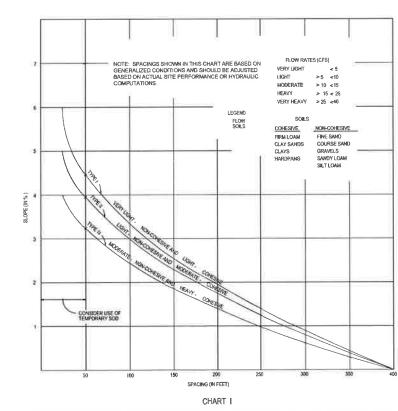




TYPE II SILT FENCE

DO NOT DEPLOY IN A MANNER THAT SILT FENCES WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE USED AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BOOIES OF WATER.

SILT FENCE APPLICATIONS



RECOMMENDED SPACING FOR TYPE I AND TYPE II HAY BALE BARRIERS, AND TYPE III SILT FENCES

220.018

NORTH

RISH INC
NEERS AND SURVEYORS
NG STE PLANNING
PROPERTY, R. 32405

PREBLI CONSULTING ENC CIVIL SURVI 203 ABERDEEN PK

R

DETAILS

ERI

H KIMBREL AVENUE DRAINAGE CITY OF CALLAWAY BAY COUNTY FLORIDA

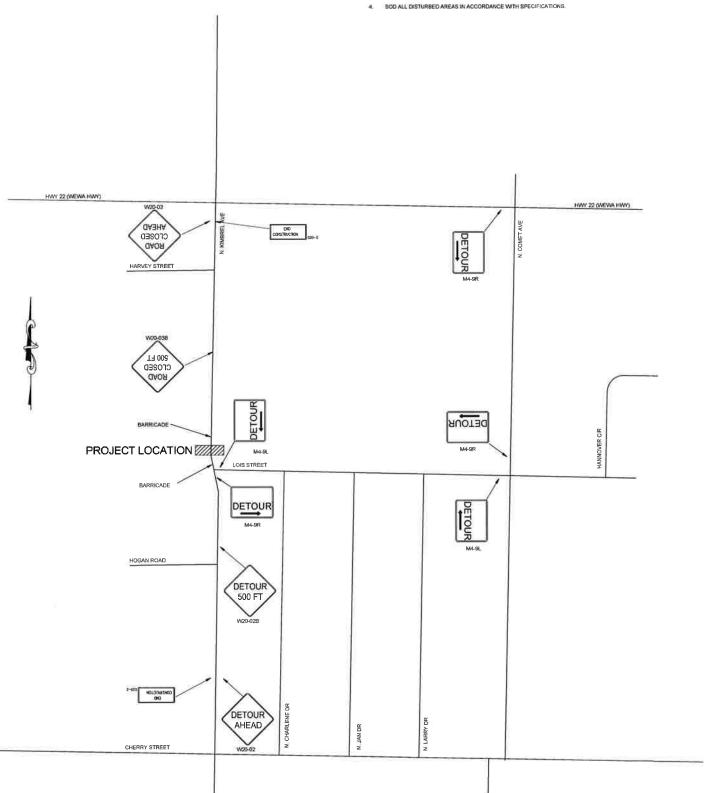


THE MAINTENANCE OF TRAFFIC FOR CONSTRUCTION ACTIVITIES SHALL BE PERFORMED USING FOOT STANDARD INDICES 600 SERIES

SEQUENCE OF CONSTRUCTION

PHASE I:

- 1. MOBILIZATION TO INCLUDE DELIVERY OF CONSTRUCTION MATERIALS AND EQUIPMENT AND SIGN INSTALLATION.
- 2 CLOSE ROAD AND REGIN CONSTRUCTION
- 3 FINISH ALL NECESSARY DRAINAGE CONSTRUCTION

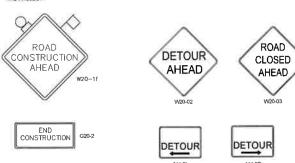


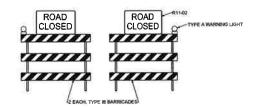
MAINTENANCE OF TRAFFIC NOTES.

- 1 THESE MAINTENANCE OF TRAFFIC NOTES ARE NOT ALL INCLUSIVE THEY PROVIDE ONLY THE MAJOR COMPONENTS OF THE TRAFFIC CONTROL REQUIREMENTS. SATISFACTORY MAINTENANCE OF TRAFFIC SHALL REMAIN THE RESPONSEBUTY OF THE CONTRACTOR THE CONTRACTOR MAY EXPAND OR UTILIZE HIS OWN MAINTENANCE OF TRAFFIC IN ACCORDANCE WITH SECTION 102-4 OF THE FDOT SPECIFICATIONS.
- MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH FOOT DESIGN STANDARDS 2014 INDEX, 600, AND IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2009)
- 4 THE CONTRACTOR IS TO MAINTAIN AND KEEP EXISTING STREET NAME IDENTIFICATION VISIBLE DURING CONSTRUCTION OPERATIONS TO FACILITATE EMERGENCY VEHICLE TRAFFIC
- 5 ALL LANES MUST BE RE-OPENED TO TRAFFIC WITHIN 12 HOURS OF A HURRICANE EVACUATION NOTICE OR ANY OTHER CATASTROPHIC EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT OR AS DIRECTED BY THE ENGINEER
- 6 THE POSTED SPEED SHALL REMAIN THROUGHOUT THE WORK ZONE
- THE LOCATION OF THE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION.
- 6 THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING DAILY INSPECTIONS ON THE NOT INSTALLATIONS ON THE PROJECT, AND SHALL IMMEDIATELY REPLACE ALL EQUIPMENT AND DEVICES NOT CONFORMING TO FOOT STANDARDS. VIOLENCY COUNTY SHALL BE ADDRESS OF THESE INSPECTIONS AND BE GIVEN THE OPPORTUNITY TO JOIN NOT HESE INSPECTIONS.
- 9 ALL CONSTRUCTION EQUIPMENT SHALL BE STORED AT A CITY OF CALLAWAY APPROVED STAGING AREA WHEN NOT IN USE
- 10 ALL SIGNS SHALL BE POST MOUNTED, AT A HEIGHT OF 7, WHEN WORK OPERATIONS EXCEED ONE DAY

ADVANCE WARNING SIGNS

THE FOLLOWING TRAFFIC CONTROL DEVICES SHALL BE INSTALLED AT THE LOCATIONS INDICATED AND SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT





BARRICADE ARRANGEMENT

B - 2 - 4 - 5 - 5 - 4 - 4

PREBLERISH INC
CONSULTING ENGINEERS AND SURVEYORS
CIVIL SURVEYING
203 ABERDEEN PKWY, PANAMA CITY, FL 32405
(850) 32220644

NORTH KIMBREL AVENUE DRAINAGE CITY OF CALLAWAY BAY COUNTY FLORIDA MAINTENANCE OF TRAFFIC PLAN

SHEET D5 220.018